

In the Claims

1. (currently amended) A HVAC field located ~~technician or engineer~~ support computer, comprising:
 - (a) a recorder means, ~~operable by a field located technician or engineer~~ for recording data, referred to as HVAC system data and equipment data;
 - (b) a recorder means for acquiring and recording HVAC system and equipment operational data from temporary field installed sensors ~~and recording said system data~~;
 - (c) a transmitter means for transmitting raw HVAC data from the field location to a central computer system for processing;
 - (d) a receiver means for receiving processed and analyzed HVAC data at the field location from the central computer;
 - (e) a display means for displaying a series of prompts ~~to the field located technician or engineer~~, to prompt the entry of technician/engineer to supply additional HVAC data as required by the central computer for completion of the HVAC diagnosis/analysis;
 - (f) a display means for displaying the results of the central computer's HVAC diagnosis/analysis; and
 - (g) a printer means for printing out the results of the central computer's HVAC diagnosis/analysis.

2. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 1 wherein at least part of said field support computer is a field located data input, storage and retrieval computer.

3. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 1 wherein at least part of said field support computer is a field located wireless communication device capable of transmitting and receiving computer generated data.

4. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 1 wherein at least part of said field support computer is a central computer system capable of interpreting and analyzing raw HVAC data and providing HVAC analysis and diagnosis based upon the raw HVAC data.

5. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 1 wherein at least part of said field support computer is a centrally located wireless communication device capable of transmitting and receiving computer generated HVAC data.

6. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 1 further comprising ~~comprising means for accessing~~ an external data store.

7. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 1 wherein said external data store contains HVAC operational data and specifications specific to the HVAC equipment being analyzed/diagnosed.

8. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 1, wherein said external data store contains parts cost and availability specific to the HVAC equipment being analyzed and diagnosed.

9. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 1 wherein the central computer establishes a customer data sheet for historical recording of analysis and diagnosis.

10. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 1 wherein the central computer establishes a customer data sheet for invoicing and billing purposes.

11. (currently amended) A HVAC field located ~~technician or engineer~~ support computer, comprising:

(a) a recorder means, operable by a field located technician or engineer for recording data, referred to as HVAC system data and equipment data;

(b) a recorder means for acquiring and recording system and

equipment operational data from temporary field installed sensors ~~and recording said system data;~~

(c) a transmitter ~~means~~ for transmitting raw HVAC data from the field location to a central computer system for processing;

(d) a receiver ~~means~~ for receiving processed and analyzed HVAC data at the field location from the central computer;

(e) a display ~~means~~ for displaying a series of prompts to enter ~~to the field located technician or engineer, to prompt the technician/engineer to supply~~ additional HVAC data as required by the central computer for completion of the HVAC diagnosis/analysis;

(f) a display ~~means~~ for displaying the results of the central computer's HVAC diagnosis/analysis; and

(g) a printer ~~means~~ for printing out the results of the central computer's diagnosis/analysis.

12. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 11 wherein at least part of said field support computer is a field located data input, storage and retrieval computer.

13. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 11 wherein at least part of said field support computer is a field located phone line capable of transmitting and receiving computer generated data.

14. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 11 wherein at least part of said field support computer is a central computer system capable of interpreting and analyzing raw HVAC data and providing HVAC analysis and diagnosis based upon the raw HVAC data.

15. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 11 wherein at least part of said field support computer is a centrally located phone line communication device capable of transmitting and receiving computer generated data.

16. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 11 further comprising means for accessing an external data store.

17. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 11 wherein said external data store contains operational HVAC data and specifications specific to the equipment being analyzed/diagnosed.

18. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 1, wherein said external data store contains HVAC parts cost and availability specific to the equipment being analyzed and diagnosed.

19. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 1 wherein the central

computer establishes a customer data sheet for historical recording of analysis and diagnosis.

20. (currently amended) The HVAC field located ~~technician/engineer~~ support computer of claim 1 wherein the central computer establishes a customer data sheet for invoicing and billing purposes.